

FIG. 1

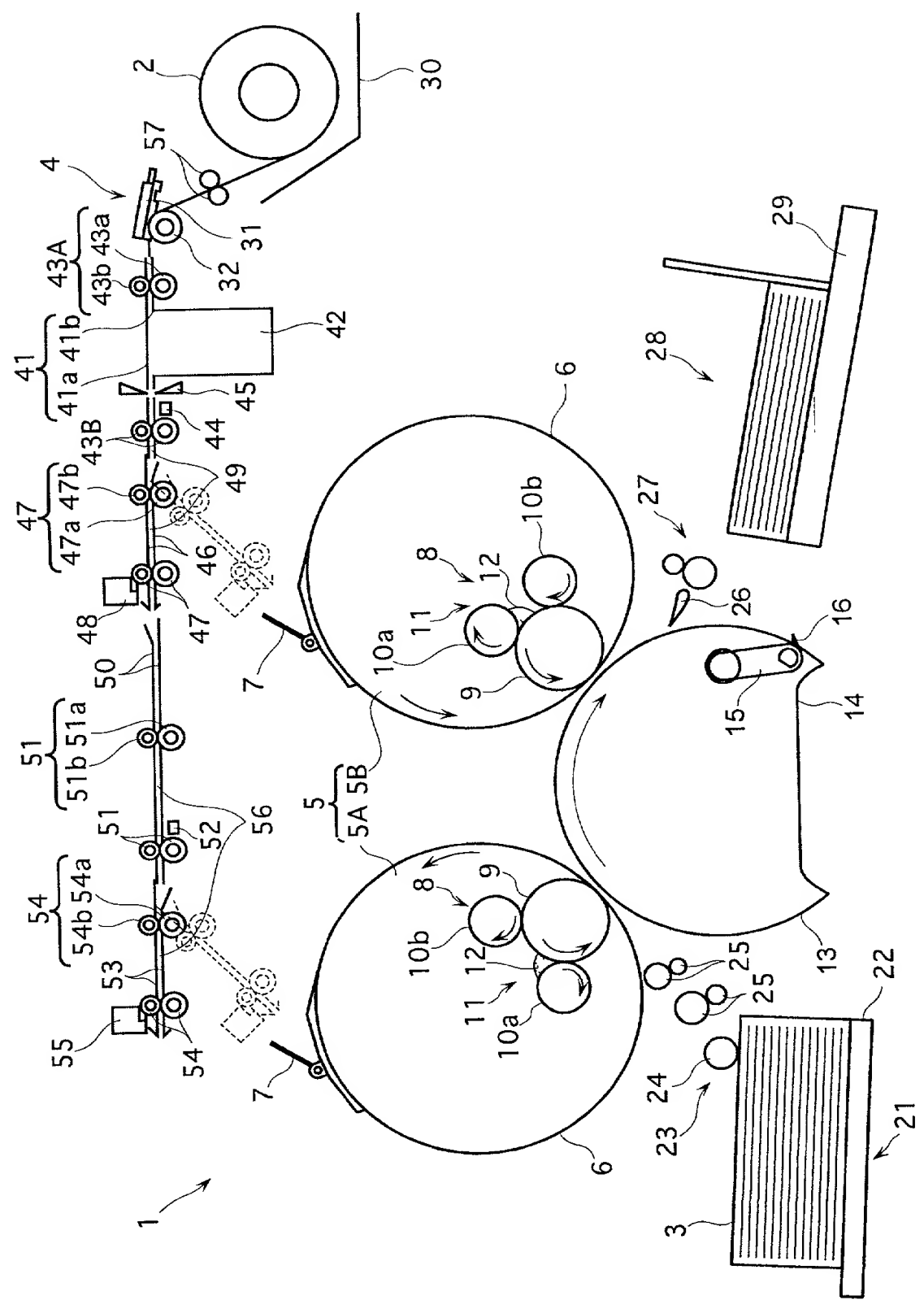
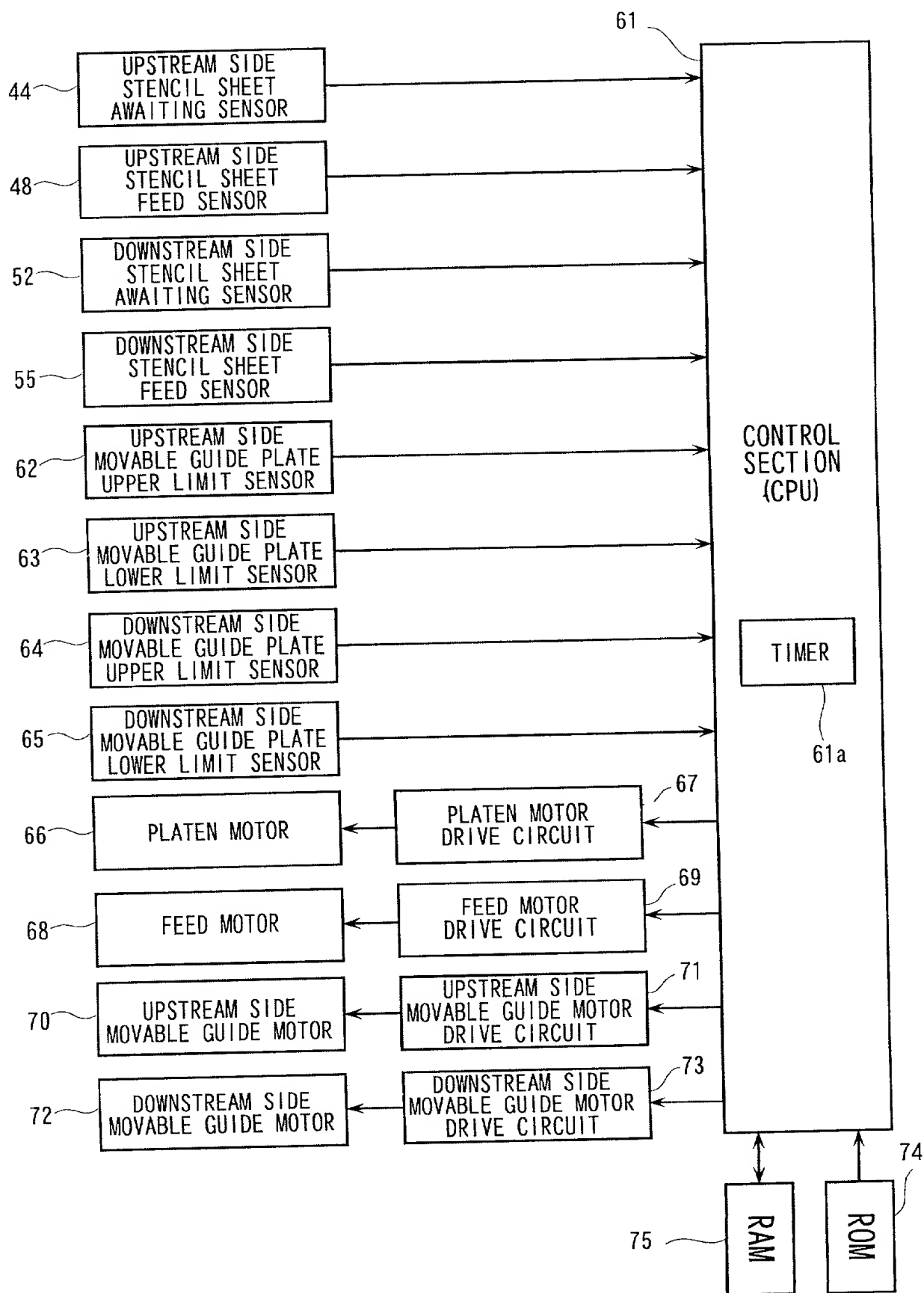


FIG.2



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FIG.3

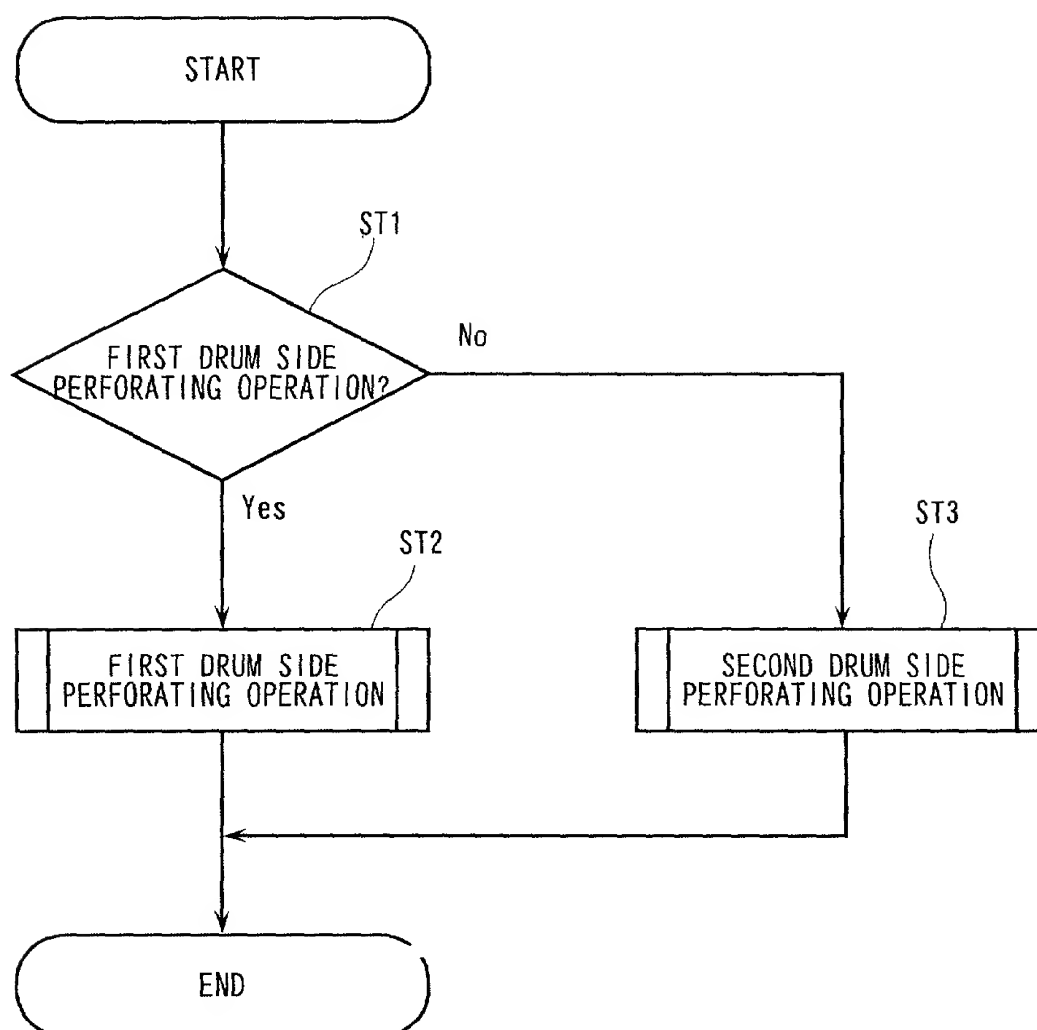


FIG.4

## (FIRST DRUM SIDE PERFORATING OPERATION)

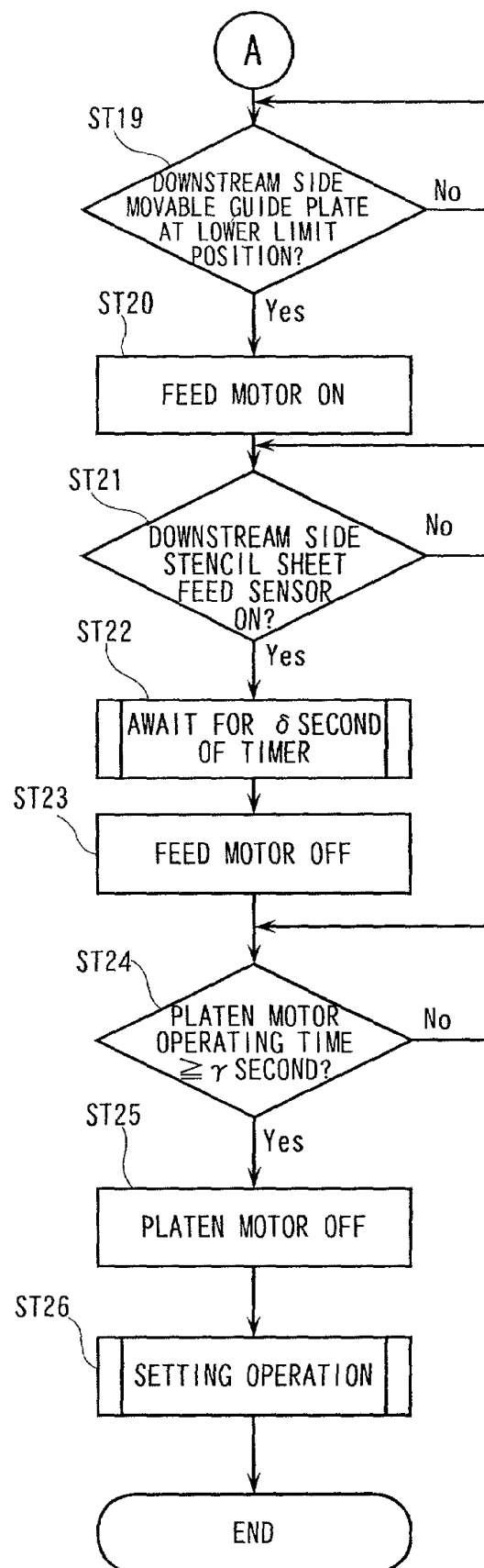
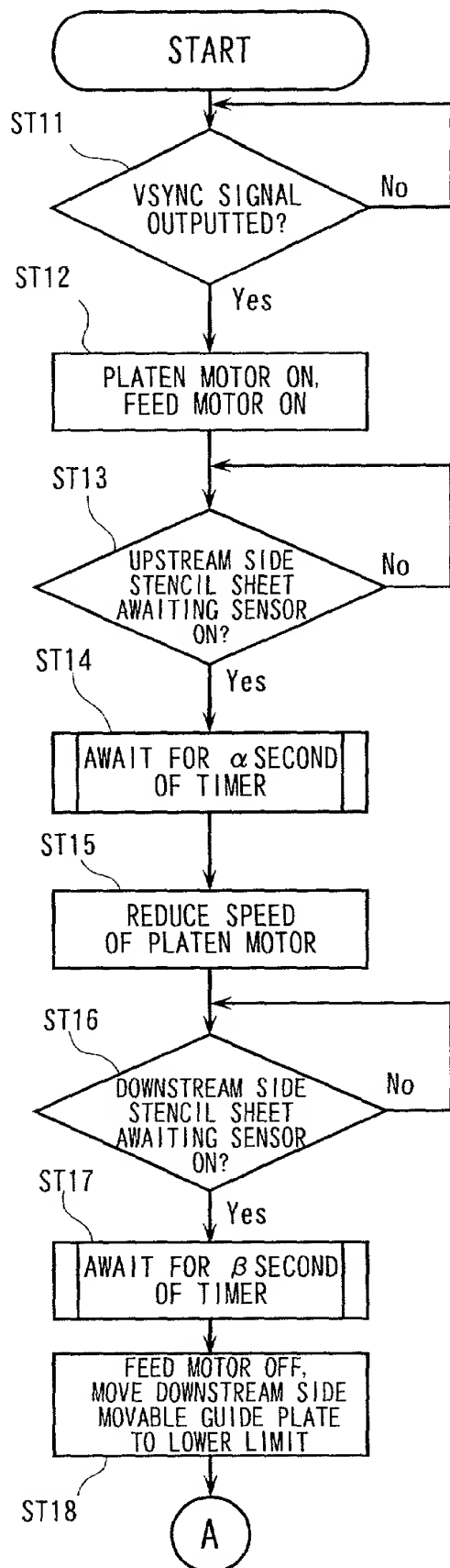


FIG.5

(SECOND DRUM SIDE PERFORATING OPERATION)

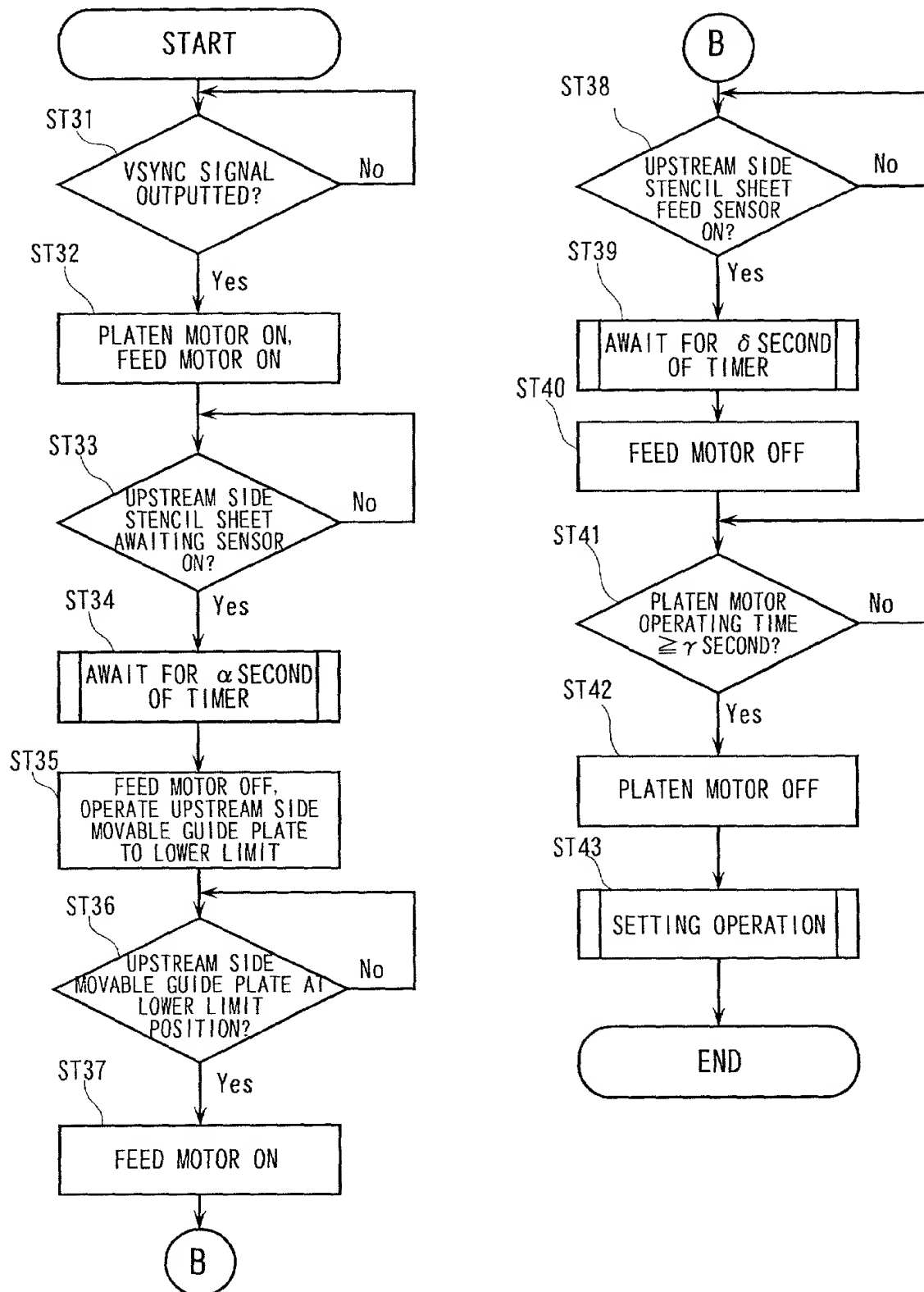
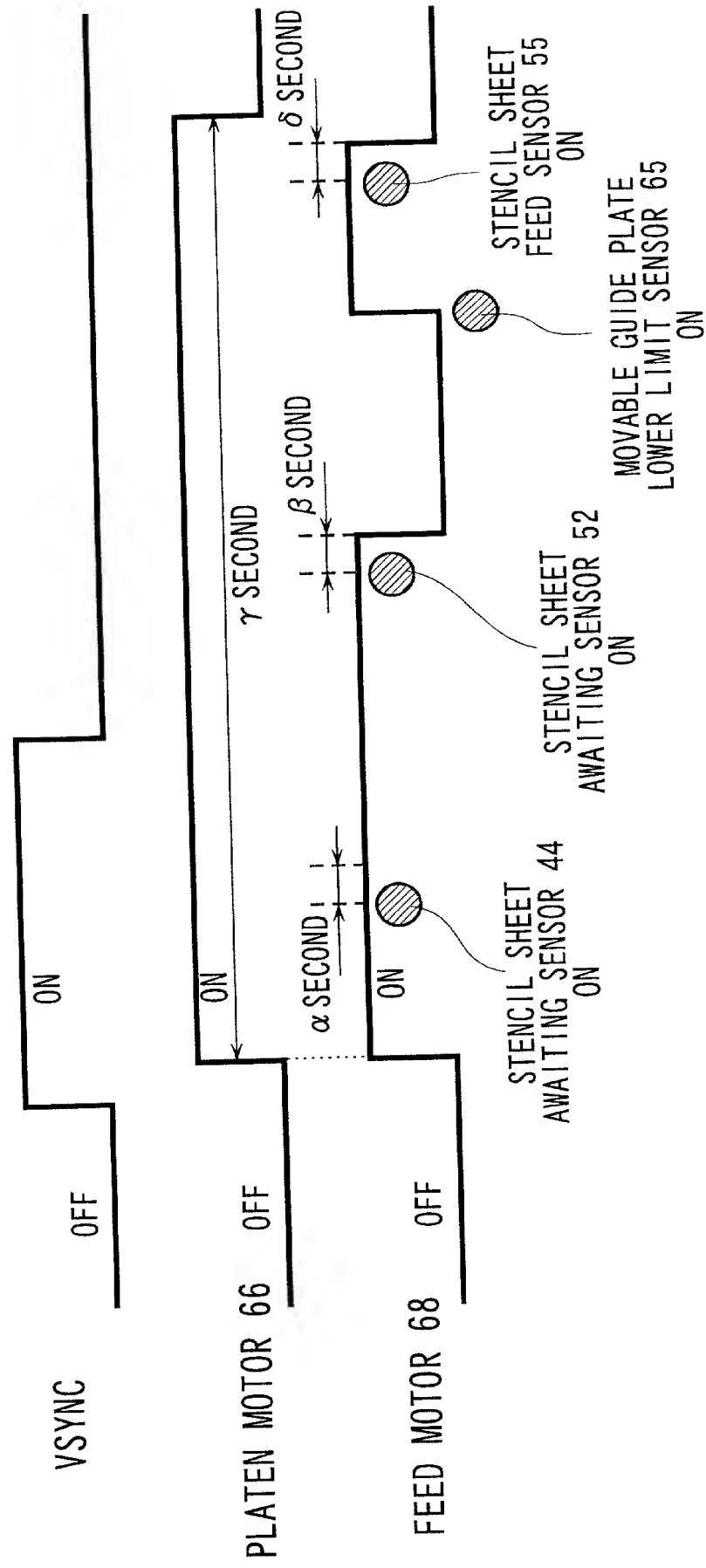
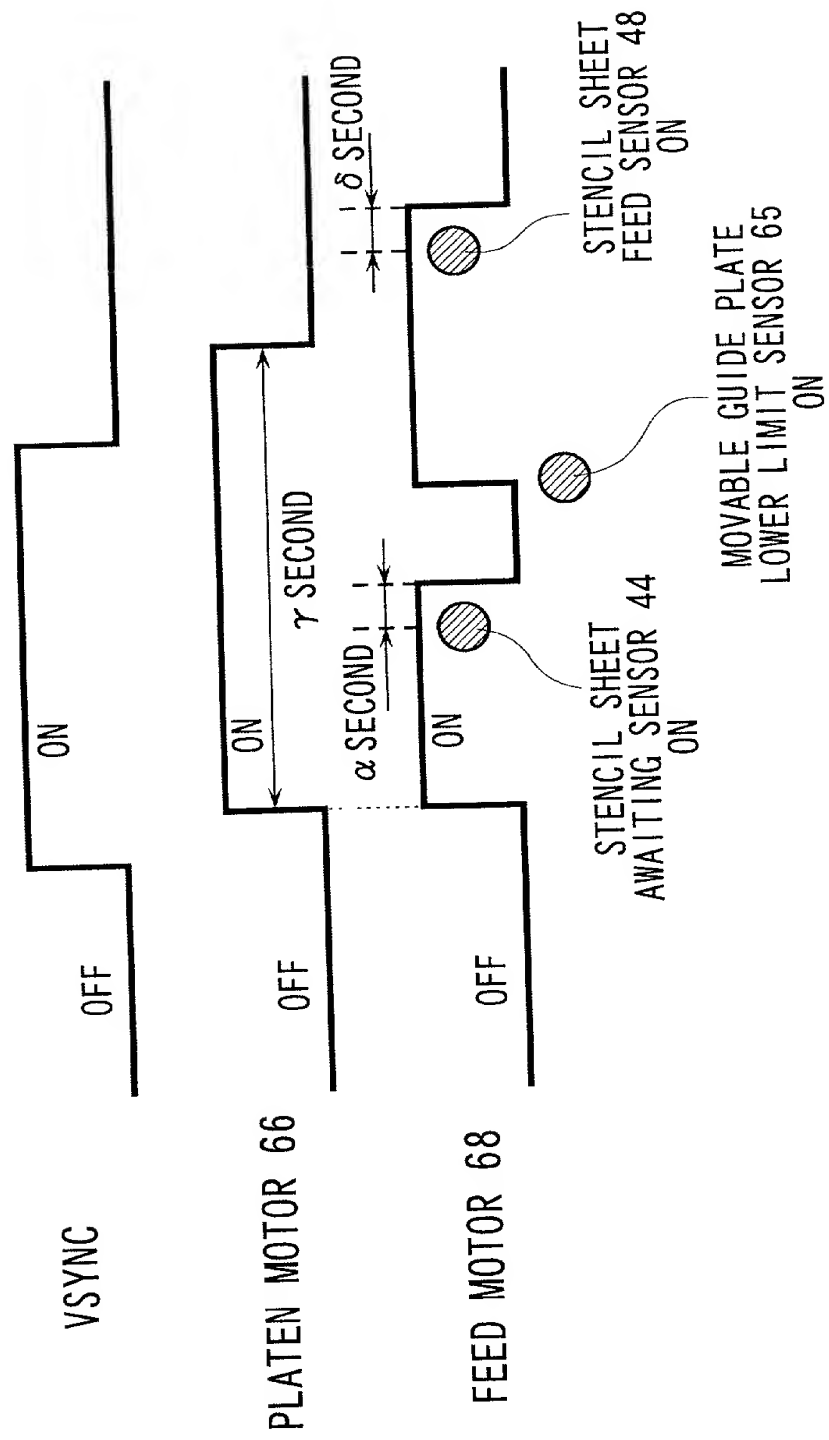


FIG.6A



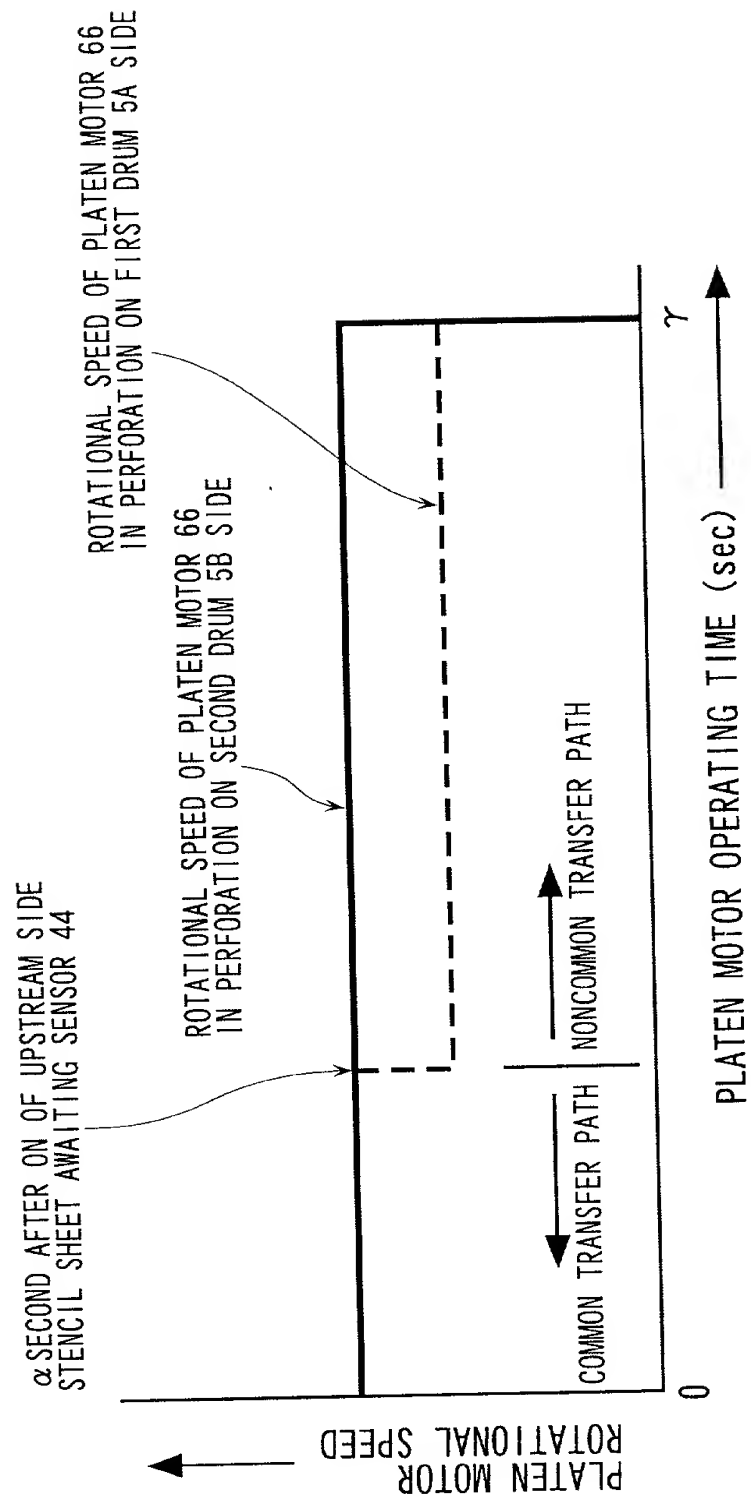
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FIG.6B



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FIG. 7



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FIG.8

PERFORATING SPEED BEFORE IMPROVEMENT

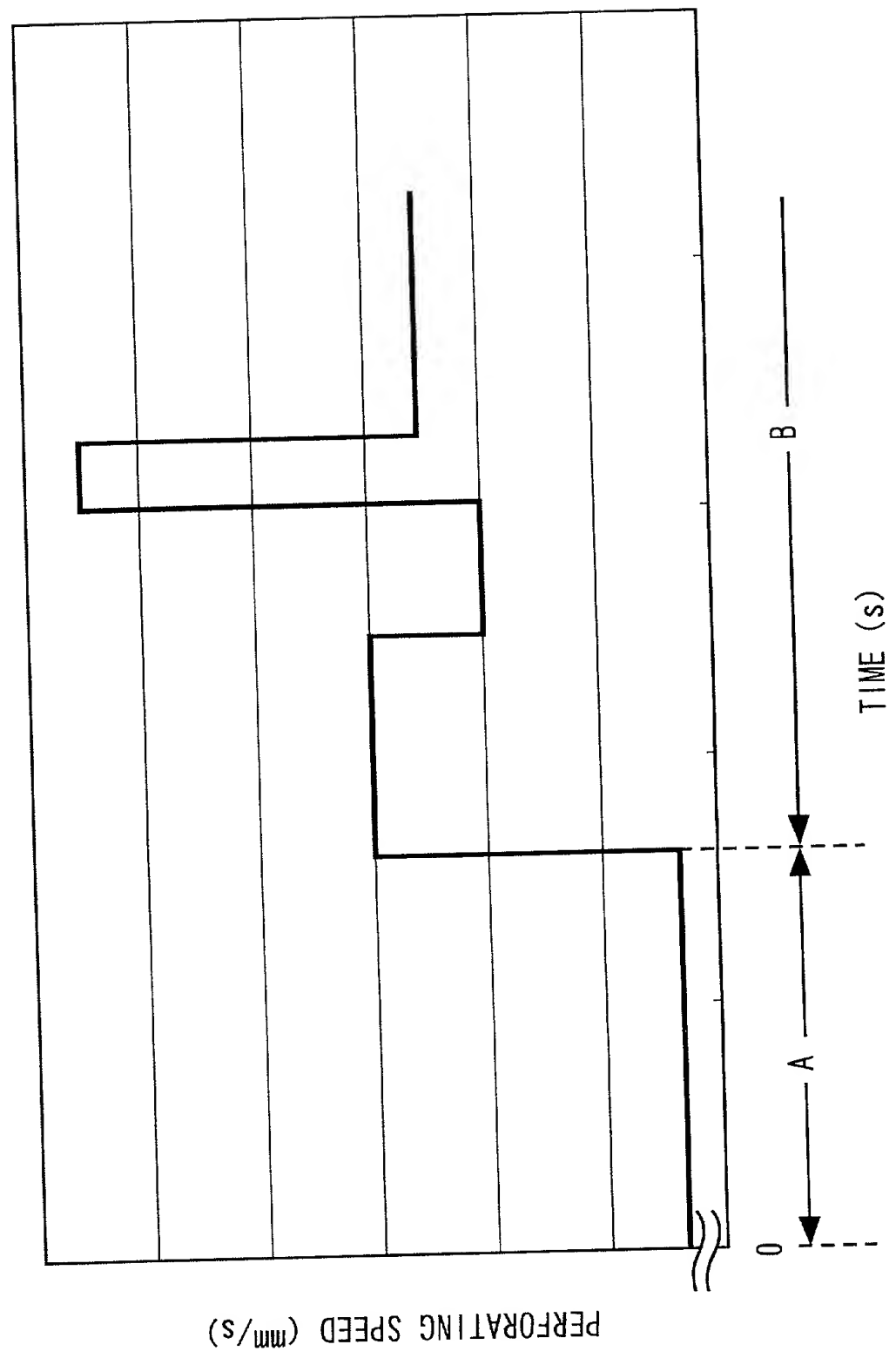
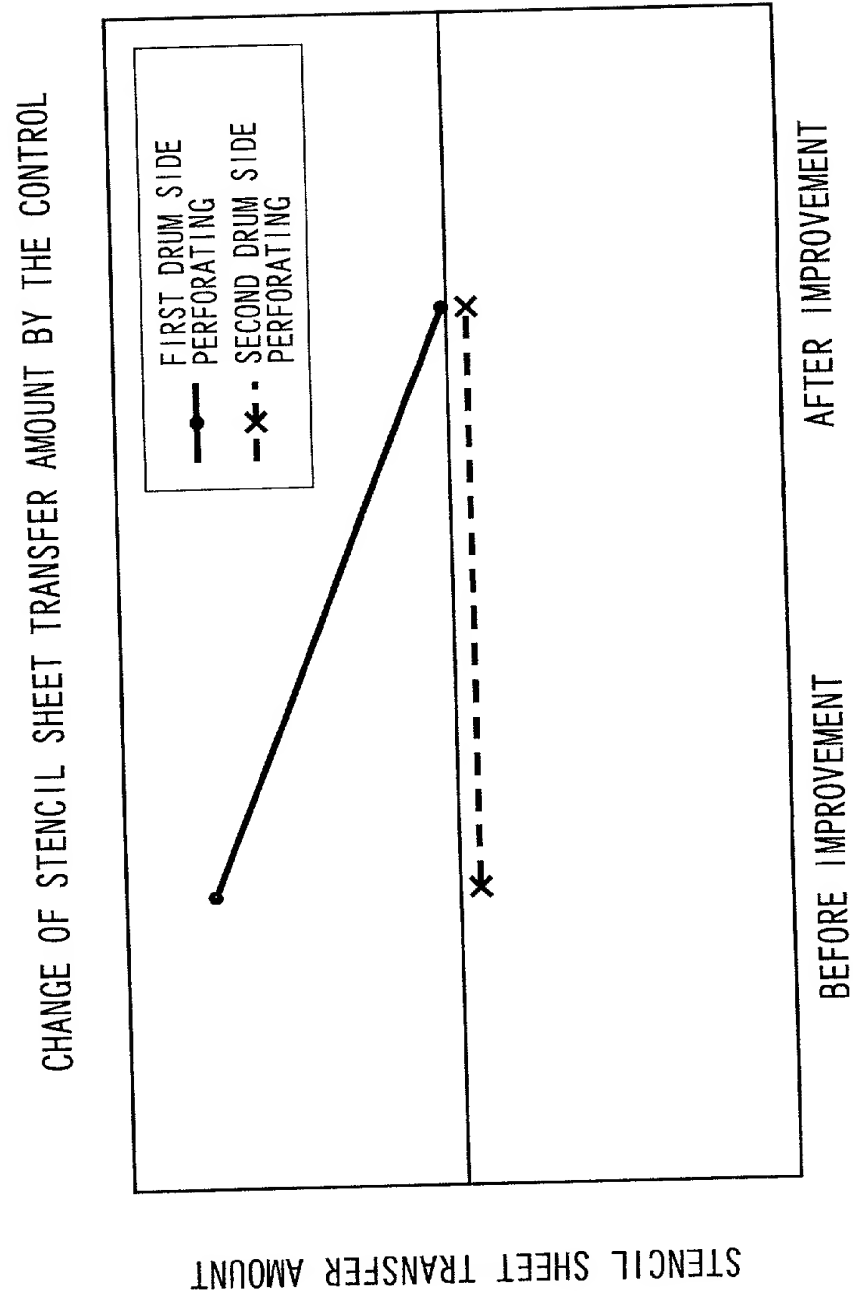


FIG.9



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FIG. 10

